

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number  
**WO 2005/062718 A3**

(51) International Patent Classification<sup>7</sup>: **A61K 31/20**

(21) International Application Number:  
PCT/IL2004/001185

(22) International Filing Date:  
30 December 2004 (30.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/533,639 30 December 2003 (30.12.2003) US

(71) Applicant (for all designated States except US): **SYN-  
DROME X LTD.** [IL/IL]; The Hebrew University of  
Jerusalem, Hi Tech Park, The Edmond J Safra Campus,  
Givat Ram, 91390 Jerusalem (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BAR-TANA, Jacob**  
[IL/IL]; 2 Tiltan St, 96926 Jerusalem (IL). **BEKERSKY,  
Ihor** [US/US]; 675 Ridgewood Drive, Antioch, IL 60002-  
3116 (US).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,  
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,  
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

(88) Date of publication of the international search report:  
10 November 2005

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: METHODS OF ADMINISTERING 3,3,14,14 TETRAMETHYL HEXADECANE 1,16 DIOIC ACID

(57) Abstract: The present invention provides methods for lowering LDL, VLDL, total cholesterol, triglycerides, Insulin resistance and hypertension, and methods for elevating HDL in subjects in need thereof. Additionally, the present invention provides methods of administering 3,3,14,14 tetramethyl hexadecane 1,16 dioic acid for the above indications.



WO 2005/062718 A3